



<b>Licence number</b>	L6845/1997/12
<b>Licence holder</b>	Shire of Chittering
<b>Registered business address</b>	6177 Great Northern Hwy BINDOON WA 6502
<b>DWER file number</b>	2011/002023-1~2
<b>Duration</b>	09/05/2024 to 08/05/2044
<b>Date of issue</b>	08/05/2024
<b>Premises details</b>	Muchea Landfill and Recycling Centre 536 Wandena Road Lower Chittering WA 6084  Legal description - Lot 300 on Plan 71254

<b>Prescribed premises category description (Schedule 1, <i>Environmental Protection Regulations 1987</i>)</b>	<b>Assessed design capacity</b>
Category 62: Solid waste depot: premises on which waste is stored, or sorted, pending final disposal or re-use.	2 000 tonnes per annual period
Category 64: Class II putrescible landfill site: premises on which waste (as determined by reference to the waste types set out in the document entitled "Landfill Waste Classification and Waste Definitions 1996" published by the CEO and as amended from time to time) is accepted for burial.	5 000 tonnes per annual period

This licence is granted to the licence holder, subject to the attached conditions, on 08 May 2024 by:

Neville Welsh  
SENIOR INDUSTRY REGULATION OFFICER  
REGULATORY SERVICES  
Officer delegated under section 20 of the *Environmental Protection Act 1986* (WA)

## Licence history

Date	Reference number	Summary of changes
11/04/2011	L6845/1997/11	Licence Renewal
29/04/2016	L6845/1997/11	Amendment Notice- extend the licence duration to 2024
20/06/2016	L6845/1997/11	Amendment - additional category and update licence format
23/09/2020	L6845/1997/11	Amendment to facilitate acceptance of materials for the container deposit scheme (CDS).
08/05/2024	L6845/1997/12	Licence renewal with twenty-year licence duration.

## Interpretation

In this licence:

- (a) the words ‘including’, ‘includes’ and ‘include’ in conditions mean “including but not limited to”, and similar, as appropriate;
- (b) where any word or phrase is given a defined meaning, any other part of speech or other grammatical form of that word or phrase has a corresponding meaning;
- (c) where tables are used in a condition, each row in a table constitutes a separate condition;
- (d) any reference to an Australian or other standard, guideline, or code of practice in this licence:
  - (i) if dated, refers to that particular version; and
  - (ii) if not dated, refers to the latest version and therefore may be subject to change over time;
- (e) unless specified otherwise, any reference to a section of an Act refers to that section of the EP Act; and
- (f) unless specified otherwise, all definitions are in accordance with the EP Act.

**NOTE:** This licence requires specific conditions to be met but does not provide any implied authorisation for other emissions, discharges, or activities not specified in this licence.

## Licence conditions

The licence holder must ensure that the following conditions are complied with:

### Premises Operation

1. The licence holder must only accept waste on to the Premises if:
  - (a) it is of a type listed in Table 1;
  - (b) the quantity accepted is below any quantity limit listed in Table 1; and
  - (c) it meets any specification listed in Table 1

**Table 1: Waste acceptance**

Waste	Quantity Limit	Specification <sup>1</sup>
Inert Waste Type 1	Combined total of no more than 5 000 tonnes per annum	None specified
Clean Fill		
Putrescible Waste		
Special Waste Type 1		Received in accordance with <i>Environmental Protection (Controlled Waste) Regulations 2004</i>
Other waste that comply with the acceptance criteria for Class II Landfills		None specified
Approved container deposit scheme (CDS) materials		None specified
Inert Waste Type 2	Combined total of no more than 2 000 tonnes per annum	Tyres and plastic only
Hazardous waste		Limited to waste oil, paint, vehicle batteries and Drum Muster products only
Green Waste		None specified

Note 1: Additional requirements for the acceptance of controlled waste (including asbestos and tyres) are set out in the *Environmental Protection (Controlled Waste) Regulations 2004*.

2. The licence holder must ensure that where waste does not meet the waste acceptance criteria set out in condition 1 it is removed from the Premises by the delivery vehicle or, where that is not possible, the Licensee shall contact the CEO to agree a course of action in relation to the waste.
3. The licence holder must ensure that wastes accepted onto the Premises are only subjected to the processes set out in Table 2 and in accordance with any process limits described in that Table.

**Table 2: Waste processing**

Waste type	Processes	Process limits <sup>1, 2</sup>
Inert Waste Type 1	Receipt, handling and disposal of waste by landfilling	<u>All waste types</u> <ul style="list-style-type: none"> <li>• The separation distance between the base of the landfill and the highest groundwater level shall not be less than 3 m.</li> <li>• Disposal of waste shall be at least 35 m from the premises boundary.</li> <li>• Waste must be placed within a defined trench or with an area enclosed by earthen or other bunds.</li> </ul>
Clean Fill		
Putrescible Waste		
Special Waste Type 1		
Other waste that comply with the acceptance		

Waste type	Processes	Process limits <sup>1, 2</sup>
criteria for Class II Landfills		<ul style="list-style-type: none"> <li>The licensee shall not burn or allow the burning of non-green waste on the premises.</li> </ul>
Hazardous waste	Receipt, handling and storage prior to being taken offsite to a recycling facility,	<p><u>Hazardous Wastes</u></p> <ul style="list-style-type: none"> <li>Stored in a designated receptacle or on a hardstand in a bunded area.</li> <li>Paint can be evaporated and then buried.</li> </ul>
Inert Waste Type 2	Receipt, handling and storage prior to being taken offsite to a tyre recycling facility	<p><u>Inert Waste Type 2 (Tyres)</u></p> <ul style="list-style-type: none"> <li>No more than 100 car tyres to be stored at any one time;</li> </ul>
Green Waste	Receipt, handling, mulching and disposal of waste by landfilling or burning	<ul style="list-style-type: none"> <li>External tyre stockpiles must be stored:                             <ul style="list-style-type: none"> <li>in rows with 6 m of clear ground between each row and any combustible material;</li> <li>located not less than 6 m from the premises boundary;</li> <li>in rows no more than three metres in height where the greatest area of used tyre storage is not to exceed 100 m<sup>2</sup>.</li> </ul> </li> </ul> <p><u>Special Waste Type 1</u></p> <ul style="list-style-type: none"> <li>Only to be disposed of into a designated asbestos disposal area within the landfill;</li> <li>The disposal area(s) for any more than one cubic meter of asbestos material is defined by grid references on the site plan;</li> <li>A copy of the site plan marked with the locations used for asbestos disposal should be kept as permanent record and made available for viewing by inspectors;</li> <li>No waste shall be temporarily stored or landfilled within 35 m from the boundary of the premises;</li> <li>Not to be deposited within 2 m of the final tipping surface of the landfill; and</li> <li>No works shall be carried out on the landfill that could lead to a release of asbestos fibres.</li> </ul> <p><u>Green waste</u></p> <ul style="list-style-type: none"> <li>Stored in stockpiles no more than 4 m high and no greater than 1000 m<sup>3</sup> in volume;</li> <li>All mulched green waste shall be stored in windrows;</li> <li>Shall only be burnt if:                             <ul style="list-style-type: none"> <li>It is dry and seasoned for at least 2 months before it is burnt;</li> <li>It is in a designated burning area at least 35 metres from the premises boundary or active fill area;</li> <li>It is burnt in trenches or windrows;</li> <li>It is burnt quickly and in such a way that the generation of smoke is minimised;</li> <li>The volume of green waste is restricted such that it is completely burnt during daylight hours;</li> </ul> </li> </ul>

Waste type	Processes	Process limits <sup>1, 2</sup>
		<ul style="list-style-type: none"> <li>○ An adequate water supply and distribution system to prevent fires from escaping beyond the green waste area;</li> <li>○ There is present in the area from the time burning commences until the Fire Control Officer for the landfill site declares the area safe:                             <ul style="list-style-type: none"> <li>○ A fire fighting vehicle carrying at least 500 litres of water, fitted with at least 30 metres of 19 mm diameter rubber hose and with a pump capacity capable of delivering a minimum of 250 litres of water per minute at a minimum of 700 kPA through a nozzle capable of projecting water by spray or by jet; and</li> <li>○ 2 persons, who have such qualifications in firefighting as are approved.</li> </ul> </li> </ul> <p><u>Approved CDS materials</u></p> <ul style="list-style-type: none"> <li>• Are not to be buried</li> <li>• Are to be directed to the dedicated CDS materials shed as depicted in Schedule 1</li> </ul>

Note 1: Requirements for landfilling tyres are set out in Part 6 of the *Environmental Protection Regulations 1987*.

Note 2: Additional requirements for the acceptance and landfilling of controlled waste (including asbestos and tyres) are set out in the *Environmental Protection (Controlled Waste) Regulations 2004*.

4. The licence holder must manage the landfilling activities to ensure:
- (a) waste is levelled and compacted as soon as practicable after it is discharged;
  - (b) waste is placed and compacted to ensure all faces are stable and capable of retaining rehabilitation material; and
  - (c) rehabilitation of a cell or phase takes place within 6 months after disposal in that cell or phase has been completed.
5. The licence holder must ensure that cover is applied and maintained on landfilled wastes in accordance with Table 3 and that sufficient stockpiles of cover are maintained on site at all times.

**Table 3: Cover requirements**

Waste Type	Cover requirements <sup>1</sup>
Inert Waste Type 1	None specified
Clean Fill	
Putrescible Waste	Waste is to be: <ul style="list-style-type: none"> <li>• Covered with a dense, inert and incombustible material.</li> <li>• Covered with at least 230 mm of cover material on a weekly basis and at the end of each working day on which municipal waste collections is received and landfilled.</li> <li>• Covered with a final soil cover of at least 1 m.</li> </ul>
Other waste that comply with the acceptance criteria for Class II Landfills	
Inert Waste Type 2 (Plastics)	
Green Waste	

Special Waste Type 1 (Asbestos)	<ul style="list-style-type: none"><li>• To be covered with 1 m of Inert Waste Type 1, Clean Fill or putrescible waste as soon as practicable.</li><li>• To be covered no later than the end of the working day after deposit and prior to compaction.</li></ul>
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Note 1: Additional requirements for final cover of tyres are set out in Part 6 of the *Environmental Protection Regulations 1987*.

6. The licence holder must implement the following security measures at the site:
  - (a) erect and maintain suitable fencing to prevent unauthorised access to the site;
  - (b) ensure that any entrance gates to the premises are securely locked when the premises is unattended; and
  - (c) undertake regular inspections of all security measures and repair damage as soon as practicable.
  
7. The licence holder must ensure that wind-blown waste is contained within the boundary of the Premises and that wind-blown waste is returned to the tipping area on at least a weekly basis.
  
8. The licence holder must recover or remove and dispose of any spills of residual liquids as soon as practicable.
  
9. The licence holder must ensure that any accumulated liquids, and residues from the recovery of spills, are stored in an impervious container prior to disposal at an appropriately authorised facility.
  
10. The license holder must:
  - (a) ensure that firefighting equipment and systems are in good working order and capable of controlling a loose material fire;
  - (b) ensure that any unauthorised fire on the premises is extinguished as soon as possible;
  - (c) ensure contaminated firefighting water is not discharged beyond the boundary of the premises in the event of a fire;
  - (d) collect all fire wash-water and other waste that may result from firefighting on the premises; and
  - (e) ensure that any firefighting washwater is removed without delay by a carrier licenced under the *Environmental Protection (Controlled Waste) Regulations 2004*, and remove all fire impacted waste for disposal off-site to a suitably licensed premises.

## Monitoring

11. The licence holder must undertake the monitoring in Table 4 according to the specifications in that table.

**Table 4: Monitoring of inputs and outputs**

Input/Output	Parameter	Units	Averaging period	Frequency
Waste Inputs	As specified in Table 1	Cubic metres (m <sup>3</sup> )	N/A	Each load arriving at the Premises
Waste Outputs	Waste type as defined in the Landfill Definitions			Each load leaving or rejected from the Premises

## Information

12. All information and records required by the Licence shall:
- (a) be legible;
  - (b) if amended, be amended in such a way that the original and subsequent amendments remain legible or are capable of retrieval;
  - (c) except for records listed in 12(d) be retained for at least 6 years from the date the records were made or until the expiry of the Licence or any subsequent licence; and
  - (d) for those following records, be retained until the expiry of the Licence and any subsequent licence:
    - (i) off-site environmental effects; or
    - (ii) matters which affect the condition of the land or waters.
13. The licence holder must:
- (a) undertake an audit of their compliance with the conditions of this licence during the preceding annual period; and
  - (b) prepare and submit to the CEO by no later than 60 days after the end of that annual period an Annual Audit Compliance Report in the approved form.
14. The licence holder must record the following information in relation to complaints received by the licence holder (whether received directly from a complainant or forwarded to them by the Department or another party) about any alleged emissions from the premises:
- (a) the name and contact details of the complainant, (if provided);
  - (b) the time and date of the complaint;
  - (c) the complete details of the complaint and any other concerns or other issues raised; and
  - (d) the complete details and dates of any action taken by the licence holder to investigate or respond to any complaint.

## Definitions

In this licence, the terms in Table 56 have the meanings defined.

**Table 5: Definitions**

Term	Definition
Acceptance Criteria	has the meaning defined in the Landfill Definitions.
approved container deposit scheme (CDS) materials	the register of products that have been approved by the Department of Water and Environmental Regulation in accordance with Division 3 of the <i>Waste Avoidance and Resource Recovery (Container Deposit Scheme) Regulations 2019</i>
Annual Audit Compliance Report (AACR)	means a report submitted in a format approved by the CEO (relevant guidelines and templates may be available on the Department's website).
annual period	a 12 month period commencing from 1 January until 31 December
asbestos	means the asbestiform variety of mineral silicates belonging to the serpentine or amphibole groups of rock-forming minerals and includes actinolite, amosite, anthophyllite, chrysotile, crocidolite, tremolite and any mixture containing 2 or more of those.
asbestos fibers	has the meaning defined in the Guidelines for Assessment, Remediation and Management of Asbestos Contaminated Sites, Western Australia, (Department of Health (Western Australia), 2009).
books	has the same meaning given to that term under the EP Act.
CEO	means Chief Executive Officer of the Department. "submit to / notify the CEO" (or similar), means either: Director General Department administering the <i>Environmental Protection Act 1986</i> Locked Bag 10 Joondalup DC WA 6919 or: <a href="mailto:info@dwer.wa.gov.au">info@dwer.wa.gov.au</a>
clean fill	has the meaning defined in Landfill Definitions.
controlled waste	has the definition in Environmental Protection (Controlled Waste) Regulations 2004.
Department	means the department established under section 35 of the <i>Public Sector Management Act 1994</i> (WA) and designated as responsible for the administration of the EP Act, which includes Part V Division 3.
discharge	has the same meaning given to that term under the EP Act.
emission	has the same meaning given to that term under the EP Act.
EP Act	<i>Environmental Protection Act 1986</i> (WA)
EP Regulations	<i>Environmental Protection Regulations 1987</i> (WA)
Fire Control Officer	means a person who has such qualifications in firefighting or fire control as are approved, appointed to that position by the occupier of the landfill site.
green waste	means waste that originates from untreated trees or plants.
hazardous waste	has the meaning defined in the Landfill Definitions.
Inert waste type 1	has the meaning defined in the Landfill Definitions.
Inert waste type 2	has the meaning defined in the Landfill Definitions.
Landfill Definitions	means the document titled "Landfill Waste Classification and Waste



Term	Definition
	Definitions 1996” published by the Chief Executive Officer of the Department of Environment as amended from time to time.
licence	refers to this document, which evidences the grant of a licence by the CEO under section 57 of the EP Act, subject to the specified conditions contained within.
licence holder	refers to the occupier of the premises, being the person specified on the front of the licence as the person to whom this licence has been granted.
premises	refers to the premises to which this licence applies, as specified at the front of this licence and as shown on the premises map in Schedule 1 to this licence.
prescribed premises	has the same meaning given to that term under the EP Act.
putrescible	has the meaning defined in the Landfill Definitions.
rehabilitation	means the completion of the engineering of a landfill cell and includes capping and/or final cover.
Schedule 1	means Schedule 1 of this Licence unless otherwise stated.
Special Waste Type 1	has the meaning defined in the Landfill Definitions.
suitably licensed premises	means a prescribed premises in respect of which a licence has been issued under Part V, Division 3 of the EP Act to accept, store, treat, reuse or dispose of that waste type.
waste	has the same meaning given to that term under the EP Act.

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**END OF CONDITIONS**

## Schedule 1: Maps

### Premises map

The Premises is shown in the map below. The yellow line depicts the Premises boundary.



Figure 1: Premises boundary map



Site layout locations



Figure 2: Site layout map



Location of Container Deposit Scheme sorting shed



Figure 3: Deposit scheme sorting shed